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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/882,043	06/18/2001	Ho-Han Ryu	AB-1604 US	1375

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EXAMINER	
RAO, SHRINIVAS H	

ART UNIT	PAPER NUMBER
2814	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/882,043	RYU ET AL.	
	Examiner	Art Unit	
	STEVEN H. RAO	2814	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *03 February 2009*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-18 and 34-36* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☐ Claim(s) *1-18 and 34-36* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *01/14/2005*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

2. Applicant's submission filed on Feb. 03, 2009 and petition of 02/23/09 has been entered and forwarded to the Examiner on Jun 22, 2009.

3. Therefore Claims 1, 6 and 10 as amended by the amendment, accompanying the RCE and claims 2 to 5, 7 to 9, 11 to 18 and 34 to 36 as previously recited are currently pending in the Application.

4. Claims 19 to 33 have been cancelled

Information Disclosure Statement

The IDS filed on January 14, 2005 has been considered and the initialed PTO-1449 made of record in the E-Red folder.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 to 18 and 34-36 are rejected under 35 U.S.C. 103(a) as being obvious over Ha et al. (.U.S Patent No. 6,593,979, herein after Ha). (previously applied and listed in 892 and copy supplied) and in view of Minami Kazuya (Japanese patent publication No. 2000-258756, presently newly applied and also listed by applicants' in their IDs of January 14, 2005 herein after Kazuya)

With respect to claim 1, Ha describes a liquid crystal display module, comprising:

a mold frame comprising a main panel, sidewalls surrounding the main panel and a first engaging hole formed through the main panel and a first engaging hole formed through the main panel thereof (figs. 1,12 holes in 400) and for receiving fastening screw 786) and a back light assembly disposed on an upper surface of the main panel and comprising a light source (Ha fig. 1 # 400, col. 6 line 36) a display, unit disposed on the backlight assembly (Ha fig. 1 # 600, c01.6 lines 21) a top chassis engaged with the mold frame to fix the back light assembly and the display unit there between, the top chassis having a second engaging hole formed corresponding to the first engaging hole.. (Ha figs.1, 2 # 300 and holes in 300 corresponding to holes in 400 above)
Ha does not specifically mention its engaging device passing through the first and second engaging holes.

However Kazuya, a patent from the same field of endeavor describes in provided English abstract (solution section) and figs. 4 etc. e.g engaging device (screws 15) passing through first (e.g 14d) and second engaging holes (e.g 11f) to obtain better flatness and strength of the frame (problem to be solved section of the English language abstract).thereby forming a more strong LCD device .

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to include Kazuya's engaging device (screws 15) passing through first (e.g 14d) and second engaging holes (e.g 11f) in Ha's device . The motivation for the above combination is to obtain better flatness and strength of the frame (problem to be solved section of the English language abstract).thereby forming a more strong LCD device .

With respect to claim 2 Ha describes a LCD module of claim 1, wherein the light - source comprises a lamp generating light, a lamp-holder engaged with both ends of the lamp to fix the lamp, and a lamp cover covering the lamp. (Ha figure 1 # 500, lamp unit #. 510, light guiding plate- lamp holder # 520, lamp cover 504, col. 5 lines 65 to col. 6 lines9).

Wit h respect to claim 3 Ha describes a LCD module of claim 2, wherein the first engaging hole is overlapped with the lamp cover when viewed from a side of the mold 7 frame where the lamp is positioned. (Ha.figs. 13 and 14) "

With respect to claim 4 Ha describes a LCD module of claim 1.1 further comprising a back cover disposed on a rear surface of the main panel, and wherein a "-third-engaging-hole-is-formed-at-a-p-dsitiSn--55-th-E:6~-ck c0-v-~~onding to the first engaging hole of the mold frame. (Ha figure 1 800 engaged with 750-back cover, and third hole-fig. 1).

With respect to claim 5 Ha describes a LCD module according of claim 1, wherein a plurality of the first and second engaging holes are formed in the mold frame and the top chassis respectively. (Ha figure I holes formed on end portions of 800 and 780).

With respect to claim 6, Ha describes a display device, comprising:

a mold frame comprising a main panel, sidewalls surrounding the main panel and a first engaging hole formed through the main panel (Ha fig. 1 # 400), a back light assembly disposed on an upper surface of the main panel and comprising a light source , a display panel disposed on the back light assembly a top chassis engaged with the mold frame, to fix thedisplay unit and the back light assembly there between, the top chassis having a second engaging hole formed corresponding to the first engaging hole (Ha fig.1 # 300 with Holes), a case having a catching member, the engaging device • penetrating through the first and second engaging holes to assemble the mold frame and the top chassis, in which a second engaging hole is formed at a position corresponding to the first engaging hole, being engaged with the receiving receptacle such that it is opposite to the receiving receptacle toguide the position of the display unit is a case for receiving the top chassis, said case having a catching member; (i.e. a screw, Ha fig. 12 # 786, col. 8 lines 59)

Ha does not specifically mention an engaging device penetrating through the first and second engaging holes, for fixing the receiving receptacle and the top chassis, one side of said engaging device being engaged with the catching member

However Kazuya, a patent from the same field of endeavor describes in provided English abstract (solution section) and figs. 4 etc. e.g engaging device (screws 15) penetrating through first (e.g 14 d) and second engaging holes (e.g 11 f) for fixing the receiving receptacle and the top chassis, one side of said engaging device being engaged with the catching member (Kazuya figs. 1-4., etc.) , to obtain better flatness and strength of the frame (problem to be solved section of the English language abstract).thereby forming a more strong LCD device .

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to include Kazuya's engaging device (screws 15) passing through first (e.g 14d) and second engaging holes (e.g 11 f) in Ha's device . The motivation for the above combination is to obtain better flatness and strength of the frame (problem to be

solved section of the English language abstract).thereby forming a more strong LCD device .

With respect to claim 7. Ha describes a display device according to claim 6, wherein the light source Comprises a lamp for generating light, a lamp holder engaged with both ends of the lamp to fix the lamp, and a lamp cover covering the lamp. (Ha figure 1 # 500,lamp unit # 510, light guiding plate- lamp holder # 520, lamp cover 504, col. 5 lines 65 to col. 6 lines 9).,
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With respect to claim 8 Ha describes The display device of claim 7, wherein the first engaging hole is overlapped with the lamp cover when viewed from the side where the lamp is positioned. (Ha figs. 13 and 14)

With respect to claim 9, Ha describes the display device according of claim 6, further comprising aback cover formed on a bottom surface of the mold frame. (Ha figure 1).

With respect to claim 10. Ha describes the display device of claim 6, wherein a plurality of the catching members (screw) are formed on a bottom surface of the case. (Ha figure 12).

With respect to claim 11, Ha describes the display device of claim 6, wherein the catching member (Screw) is integrally formed with the case and comprises a support surface extending from and in parallel to a bottom surface of the case..(Ha figure 21)

With respect to claim 12 Ha describes display device of claim 1 1, wherein the catching member further comprises a through hole formed at a center portion of the support surface and receiving an end of the engaging device. (Ha figures 12 19and 21 identical to Applicants' figure- 6 screw and nut).

With respect to claim 13 Ha describes the display device of claim 12,wherein the catching member further comprises a guide recess formed extending from the through hole for guiding the engaging device to the through-hole. (Ha figure, i8, # 730).

With respect to Claim 14 Ha describes a liquid crystal display device according to claim 13, wherein the engaging means comprises a first engaging member having a head portion wider than the through-hole to prevent the deviation from the though-hole of the support surface and a body portion penetrating through the first and second engaging holes and protruding to the rear surface of the receiving receptacle and having a screw recess at one end portion thereof, and a second engaging device engaged with the screw recess of the first engaging member to fix the receiving receptacle and the top chassis to the case.(Ha figure 21)

With respect to Claim 15 Ha describes a liquid crystal display device according to claim 14, wherein, a portion of the body portion adjacent to the head portion has a first thickness between a first side and a second side is smaller than a width of the guide recess. (Ha fig.21)

With respect to claim 16 Ha describes a liquid crystal display device according to claim 1-5,wherein a second direction parallel to the head :portion of a region adjacent to the head portion in the body portion of the first engaging member' and perpendicular to the first direction is wider than the width of the guide recess to prevent the deviation of !he engaging member from the through-hole. (Ha figure 13):

With respect to claim 17 Ha describes a liquid-crystal display device according to -- claim-6,wherein-a-pluralityof-the-first engaging holes and a plurality, of the second engaging holes are formed.(Ha figure 9). •,

With respect to claim 18 Ha describes a liquid crystal display device according to claim 6, wherein the case is a front case. (Ha figure 1). .

With respect to claim 34, Ha describes the device of claim 9, wherein the• back cover has a third engaging hole positioned corresponding to the first hole. (Ha figure 1 800 engaged with 750-back cover, and third hole-fig. 1).

With respect to Claim 35, Ha describes the display device of claim 34, wherein the engaging device penetrates through the first hole, the second engaging hole and the ,third engaging hole..(Kazuya figs. Etc.) •

With respect.. io claim.36 ,Ha describes a display module, comprising : a mold frame comprising a main. panel, side walls surrounding the main panel and a first hole formed through the main panel-(:figs.1,12 holes in 400), a backlight assembly disposed on the mold frame (Ha-fig. 1 # 400, col. 6 line 36) a display unit disposed on the backlight assembly (Ha fig. ! # 600, col. 6 lines 21) a-top chassis disposed on the display. panel and having a second hole formed corresponding, to the first engaging hole. (Ha figsil;2 # 300 and holes in 300 corresponding to holes in 400 above) and an " engaging device penetrating, through, the first-hole and second hole to fix the back. light assembly and the display panel between the mold frame and the top chassis.. (English abstract (solution section) and figs. 4 etc. e.g engaging device (screws 15) passing through first (e.g 14d) and second engaging holes (e.g 11f), see also Ha fig. 12 # 786, col. 8 lines 59 and Ha figure 1).

Response to Arguments

6. Applicant's arguments filed 02/03/09 have been fully considered but they are but

are moot in view of the new ground(s) of rejection.

7. It is noted that the claims1,6 and 36 were alleged to be distinguishable over Ha because :

amended Claims 1,6 and 36 recite "a mold frame comprising a main panel, side walls surrounding the main panel and a first engaging hole formed through the main panel thereof;.., a top chassis engaged with the mold frame to fix the backlight assembly and the display unit there between, the top chassis having a second engaging hole formed corresponding to the first engaging hole; and an engaging device passing through the first and second engaging holes,".

As stated in the rejection above :

"a mold frame comprising a main panel, side walls surrounding the main panel and a first engaging hole formed through the main panel thereof;.., (Ha figs.1,12 holes in 400) a top chassis engaged with the mold frame to fix the backlight assembly and the display unit there between, the top chassis having a second engaging hole formed corresponding to the first engaging hole; (Ha figsil;2 # 300 and holes in 300 corresponding to holes in 400 above).

And Kazuya describes the presently newly added limitation and an engaging device passing through the first and second engaging holes,

Therefore Claims 1,6 and 36 are not patentable over the combination Of ha and Kazuya.

Dependent claims 2-5,7-18 and 34-35 were alleged to be allowable beacuase they dependent from allegedly allowable Claims 1 and 6.

However as shown above Claims 1 and 6 are not allowable, therefore Claims 2-5,7-16 and 34-35 are also not allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to STEVEN H. RAO whose telephone number is (571)272-1718. The examiner can normally be reached on 8.30-5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1714. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Steven H Rao/
Examiner, Art Unit 2814